

Title (en)
WIRELESS DEVICE COMMUNICATION WITH MULTIPLE PERIPHERALS

Title (de)
DRAHTLOSE GERÄTEKOMMUNIKATION MIT MEHREREN PERIPHERIEGERÄTEN

Title (fr)
COMMUNICATION PAR DISPOSITIF SANS FIL AVEC DES PÉRIPHÉRIQUES MULTIPLES

Publication
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Application
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Priority
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• US 79543506 P 20060426
• US 79577106 P 20060428

Abstract (en)
[origin: WO2007127884A2] Low power wireless communication techniques may be employed in devices that communicate via a wireless body area network, a wireless personal area network, or some other type of wireless communication link. In some implementations the devices may communicate via one or more impulse-based ultra-wideband channels. Inter-pulse duty cycling may be employed to reduce the power consumption of a device. Power may be provided for the transmissions and receptions of pulses by charging and discharging a capacitive element according to the inter-pulse duty cycling. Sub-packet data may be transmitted and received via a common frequency band. A cell phone may multicast to two or more peripherals via wireless communication links.

IPC 8 full level
H04B 1/69 (2011.01); **H04B 1/7163** (2011.01); **H04B 1/717** (2011.01)

CPC (source: EP KR US)
H03K 9/04 (2013.01 - KR); **H03K 9/08** (2013.01 - KR); **H04B 1/71632** (2013.01 - EP US); **H04B 1/7174** (2013.01 - EP US); **H04B 7/24** (2013.01 - KR); **H04L 27/00** (2013.01 - KR); **H04R 25/554** (2013.01 - EP US); **H04R 25/558** (2013.01 - EP US); **H04R 27/00** (2013.01 - EP US); **H04R 2225/33** (2013.01 - EP US); **H04R 2225/55** (2013.01 - EP US); **H04R 2227/003** (2013.01 - EP US); **H04R 2420/07** (2013.01 - EP US)

Citation (examination)
GIANNAKIS G B ET AL: "Ultra-wideband communications - An idea whose time has come", IEEE, vol. 21, no. 6, 1 November 2004 (2004-11-01), pages 26 - 54, XP011122123, ISSN: 1053-5888

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